

SEQUENCE LISTING

<110> TYRRELL, JOHN V.  
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BERGQUIST, PETER L.  
SCHOLIN, CHRISTOPHER A.

<120> COMPOSITIONS AND METHODS FOR DETECTING RAPHIDOPHYTES

<130> 50681200121

<140> To be assigned  
<141> Herewith

<150> 09/596,136

60/141,362

<151> 2000-06-16

1999-06-28

<160> 30

<170> PatentIn Ver. 2.1

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GWATTACCGC GGCKGCTG

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TGCTCAGCT ACTCTCCAGG GCTAAGTCTG TTGTTGAAG ACAGCATCAT GGACGGTGTAT 180  
AATCCGGTTTC TTGCTTGGG TGTTGTAGCG TCTTGAGCCG TCCTCAACGA GTGAGTTGC 240  
TTGGGATTGC AGCTCTAACG GGGTGGTAAA TTCCATCTAA AGCTAAATAT TGGTGGGAGA 300  
CCGGATAGCGA ACAAGTACCG TGAGGGAAAG ATGAAAAGAG CCTTGAAAAG AGAGTTAAAT 360  
AGTACCTGAA ACTGCTGAAA GGAAGCGGA TGAAGTCAGT GTTGTCTT TTCTCTGC 420  
TCTCTCTTCG GGGGATTGTG TATCGAGGAC TTGAGCTTG TCAGGATGAG TTCTCTGCCG 480  
CGGGATATTGG TTGTTGAGCT GGATGCTTCT GCTGAACCTCA CTCTCTCTGT CGTGGCTTGG 540  
ACTGAGGTTTC CATCTTGGCG TGCGCTGTT GTTACTCTCC TGTTGCTGTT TCTGTCTTAC 600  
TGCTTGCAGT GTTCGGTTGC AGTATTGGA CTGTCAGT TATGCACTGCA AGGTCAGGAT 660  
CCTGACGAAT GGCTTTATTA ACCCGAA 687

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CTACTCTCCA GGGCTAAGTC TGTGTTGTGAA AGACAGTGTGTC ATGGACGGTG ATAACCCGGT 180  
 TCTTGCCTTG GATGTTGTAG CGTTTTGAGC CGTCTCAAC GAGTCGAGTT GCTTGGGATT 240  
 GCAGCTCTAA CTGGGGTGTAA AATCCCATCT AAAGCTAAAT ATTGTTGGGA GACCGATAGC 300  
 GAACAAAGTAC CGTAGGGAA AGATGAAAAG AACATTGAAA AGAGAGTAA ATAGTACCTG 360  
 AAACCTGCTGA AAGGGAAAGG AATGAAGTCA GTGTTGCTCT TTGTTGCTG CATCCTCCCT 420  
 CGGGGGATTG TGATATCGAGG ACTTTGAGCT TGTCAAGGATG AGTTCTCTGC CGCGGGATAT 480  
 GTTTTGTATG CTGGATGCTT TTTGGAAAC ATACATTCTC TGTCGTTGCT TGGACTGAGG 540  
 TTCCATCTTG CCGGTTGCCGT TGCGTTCCCT TCCCGTTGCT GTCTCTCTC TACTGCTTGC 600  
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 <213> Fibrocapsa japonica

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 CGCGCCCCCT GGCAAAGTCC CCTGGAAACGG GGCACTGTGG ACCTGACAA TCCGGITCAT 180  
 GCCTGGGGTGC TCGCGGTGTG ACAGGGCGTT TTCAACAGGT CGAGTTGCCTT GGAGATTGCG 240  
 CTCTAAGCGG GTGGTAAATT CCATCTAAAG CTAAATATTG GTGGGAGACC GATAGCGAAC 300  
 AAGTACCGTG AGGGAAAGAT GAAAAGAAGT TTGAAAGAG AGTAAACAG TACCTGAAAT 360  
 TGCTGAAAGG GAAGCGGAAGG AAGTCAGTGTG ATGGCGGGGG TCATATTTCG TGCTGCTTGC 420  
 AGGGTACTGT CGGCCCTGTG CCCATGGGCT GGTCAAGGATG GTTTGTTCC CGCGGGAGATT 480  
 CCCAGGGTTG AGGTAGGTCC TTGGGATTG TGCAACCAACCC TGTTGCAATG TGTTGTTCCG 540  
 ACCGAGGCAT TAGTGCACCT TGTTTGTAC GGTTTATAT GCGTGATCAT GTCGTGACAC 600  
 GCATGCTGTG CGCGGGTGT TATCGTTAT TTGCGTTGCA TTCCCGTGC GCTCTAGATC 660  
 CTGTCAAATG GCTTCTTCC ACCTCTTGA AGACGGACCA AGG 703

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 TAGTCTAAAG GTGTCGTCGTC AGTCAGTGTG CCGGGCTAAG TC'TGTTGGAA AACAGCATCA 180  
 TGGACGGTGA CAATCCGTT CTGGCTGGG GTCCCCGGC GTACGAGCCG TTCCGACGA 240  
 GTCTGTTGC TTGGGATTGC AGCACTAAGT GGGTGGTAA TTCCATCTAA AGCTAAATAT 300  
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 AGAGTAAAT AGTACCTGAA ACTGCTGAAA GGGAAAGCGAT TGAAAGTCAAG TTGCTCTG 420  
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 GTTCTGTTTC CGGGGAAATG TTCAAGTGTG TGAAACCTCG GGGAAACGCA CTTGTTCTGT 540  
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 GTGTCCTACTG CTTGCAGTT TCATTTTCAT GCTTGCAGCT GTGCGTGTAA TTGATGAGCG 660  
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AGCCGTGCTC CAGGGCTAACG TCTGTTGGAA AACAGCATCA TGACCGGTGA TAATCCGGTT 180  
CTTGCCTCTGG GTGTTGCGGT TGACCGAGCG TGATCCACGA TGCGAGTTGC TTGGGATTGC 240  
AGCTCTAACGC GGTTGGTAAATTCCTCATCTAA AGCTAAATATAGAGTTAAAAA AGTACCTGAA 300  
ACAAGTACCG TGAGGGAAAG ATGAAAAGAA CTTTGAAAAG AGAGTTAAAAA AGTACCTGAA 360  
ATTGCTGAAA GGGAAAGCGAA TGAAGTCAGT GTCTGCTCCT GGTTGTATTTC TCGGAGTCCC 420  
TGCGGGGATT CGGGCACTGT GGCTCTGGAGC ATGTCAGGAT GAGTTCTCTG CCGTGGGATA 480  
TGTGTTGGTGG GATTGGTACCTTC CGGGGGAAA CCCGCCACTC TTGTCATGGC TTGGACTGAG 540  
GTTCCATCTC GCCGTTGCC TGCCCGTGCCTCTCTGCCGG TTGTTGCTGT CCTACTGCTT 600  
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PCR Primer

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PCR Primer

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CCTTGGTCCG TGTTTCAAGA 20